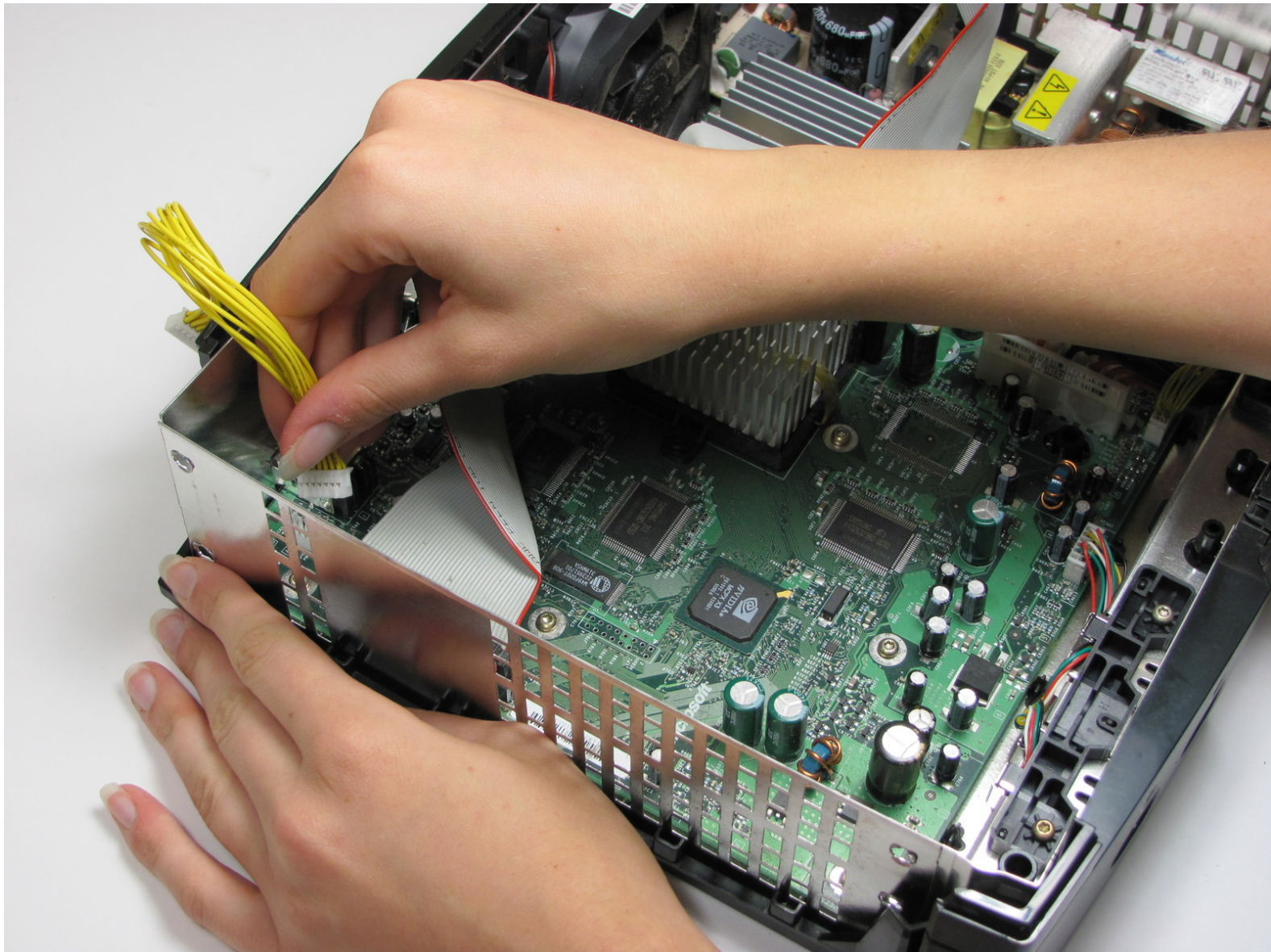




Xbox Motherboard Replacement

Written By: rmarstel



INTRODUCTION

This is the replacement guide for the motherboard in the Microsoft Xbox.

TOOLS:

- [Metal Spudger](#) (1)
 - [T10 Torx Screwdriver](#) (1)
 - [T15 Torx Screwdriver](#) (1)
 - [T20 Torx Screwdriver](#) (1)
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Step 1 — Hard Drive



- ★ Make sure your Xbox is safely unplugged and is laying on a flat, stable surface.

Step 2



- i Turn the Xbox over to reveal the four rubber feet.
- Use a metal spudger to pry off the four rubber feet.

Step 3



- ☑ There are 2 more screws hidden under the two labels on the bottom of the case.
- You can either remove the labels or simply feel for the screw holes through the labels and then cut or punch a hole through them.

Step 4



- Remove the six T20 Torx screws securing the top cover to the bottom cover.

Step 5



- Wedge a metal spudger and carefully pry upwards to slightly separate the top and bottom covers.
- ⓘ Flip the Xbox right side up.
- Hold the sides and lift the Xbox **slightly** off the bench. A gentle shake of the unit should see the top cover separate from the rest of the unit quite easily.
- ☑ Placing the Xbox on your lap while separating the top and bottom covers may make the process easier.

Step 6



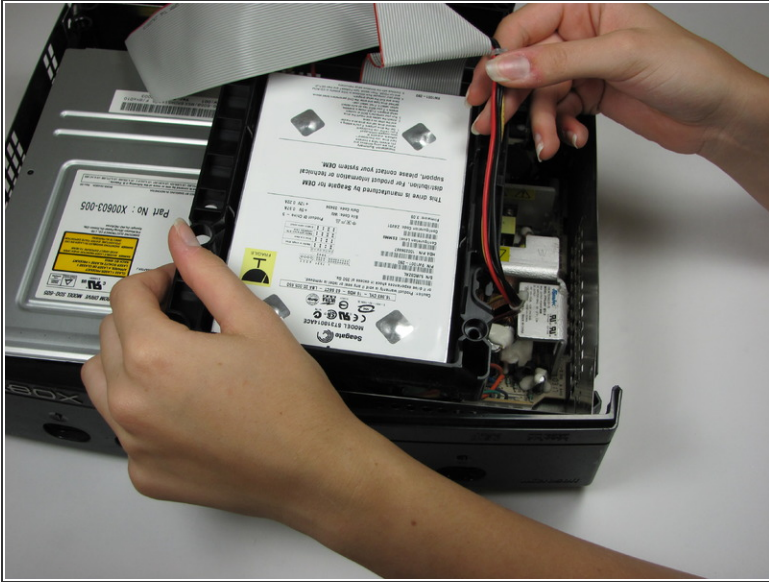
- Once the bottom and top shells are no longer attached, carefully turn the Xbox right-side-up, lift and remove the top cover.

Step 7



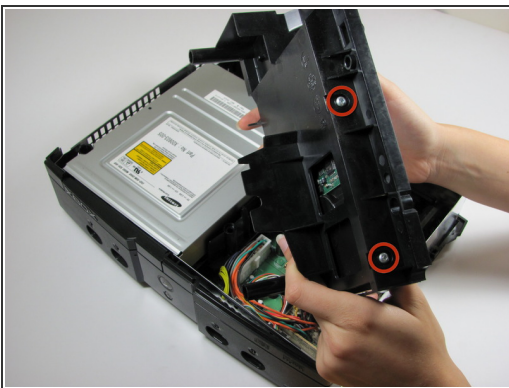
- Remove the three 3 mm T10 screws securing the hard drive to the Xbox.
- ★ There is one screw on the rear left side of the hard drive that is only visible when the IDE ribbon cable is lifted up. The other two are at the front right and left sides of the hard drive.
- ⓘ The screw on the lower left corner of the disk drive is not in the hole that it appears to be in, but rather just closer to the corner.

Step 8



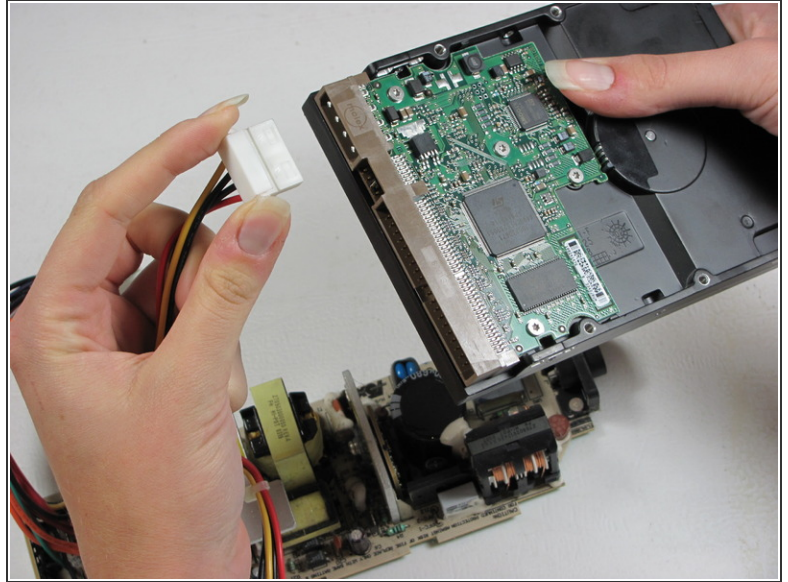
- Free the hard drive power cable from the carrier for sufficient slack to lift the hard drive out.
- Lift the plastic hard drive carrier out of the Xbox case.

Step 9



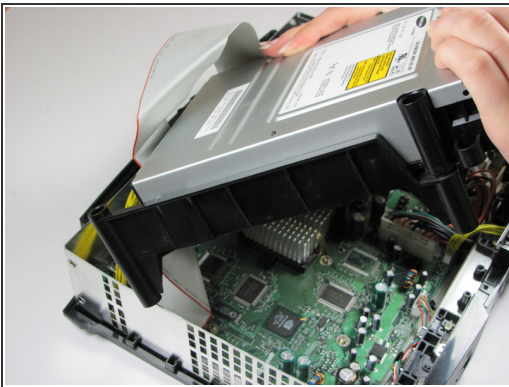
- Remove the four 3.4 mm T15 Torx screws from the plastic hard drive carrier (two screws per side).
- Carefully remove the hard drive from the plastic carrier. Gentle rocking will see the hard drive come out quite easily.

Step 10



- Pull both the hard drive data ribbon cable and the power cable straight up from the hard drive.
- ⓘ They may be firmly seated, so be careful trying to remove them. **DO NOT** pull the wires as you may damage the cable assembly.

Step 11 — Disc Drive



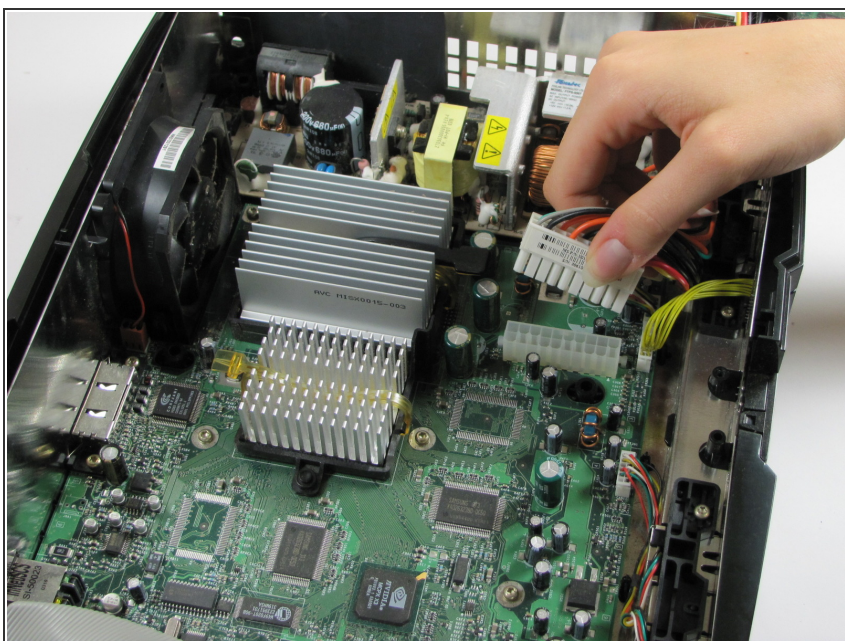
- Remove the disk drive. It should come right out.
- Unplug the ribbon cable and yellow cables from back of disk drive.

Step 12



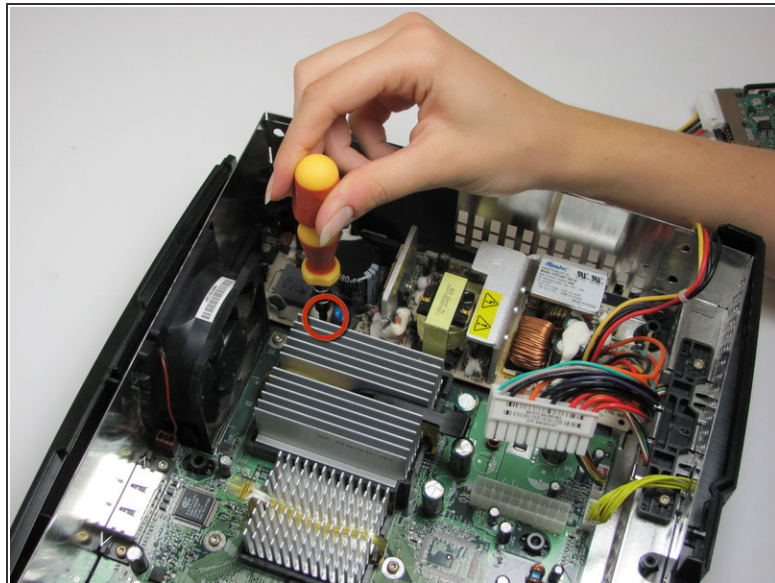
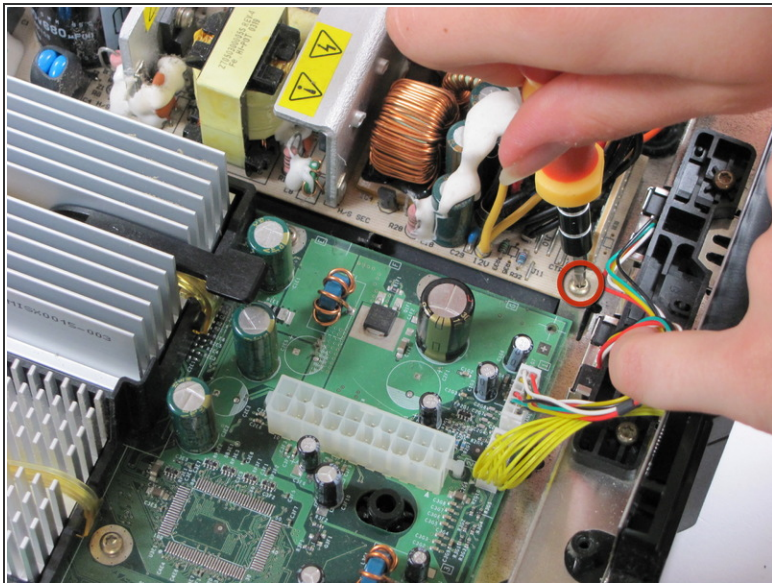
- Pry back the black plastic tabs around the disk drive in order to remove it from its housing. Once removed, set the drive aside.
- ONLY REMOVE IF DEAD!

Step 13 — Power Board



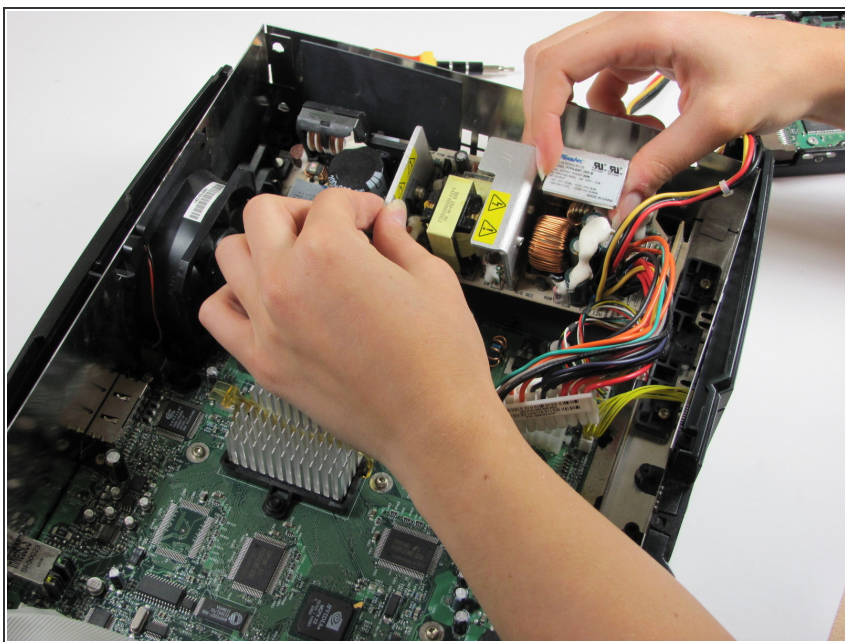
- Unplug the multi-colored power cord from the motherboard. It is in there pretty tightly, so it may take some effort.

Step 14



- Using T10 Torx screwdriver, remove two 3mm screws from the tan power supply board.

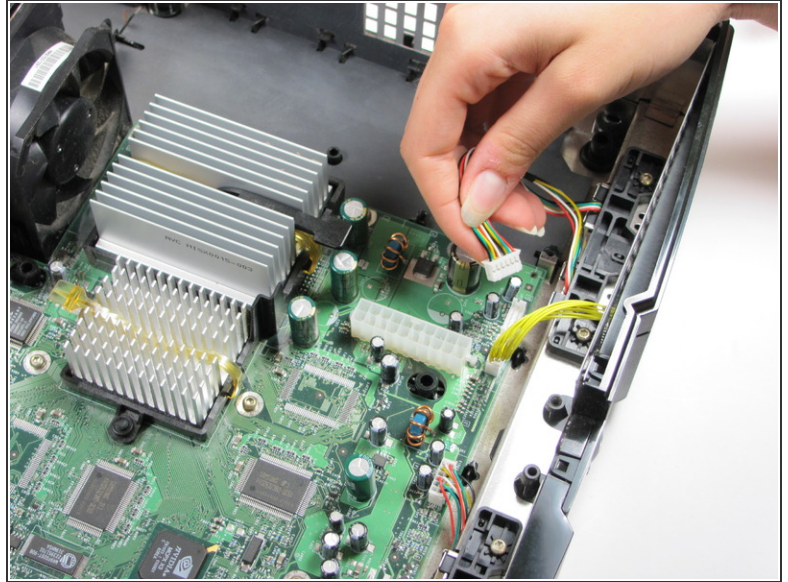
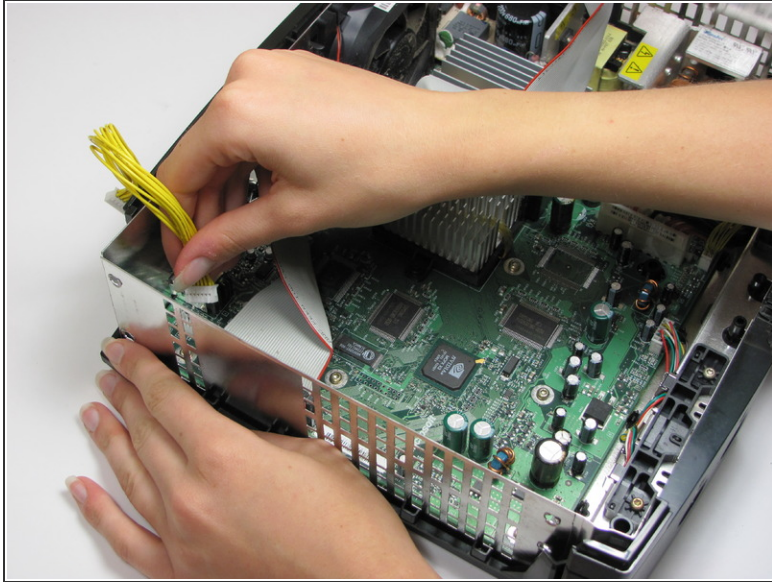
Step 15



- Remove the power supply and set it aside. It should lift right out.

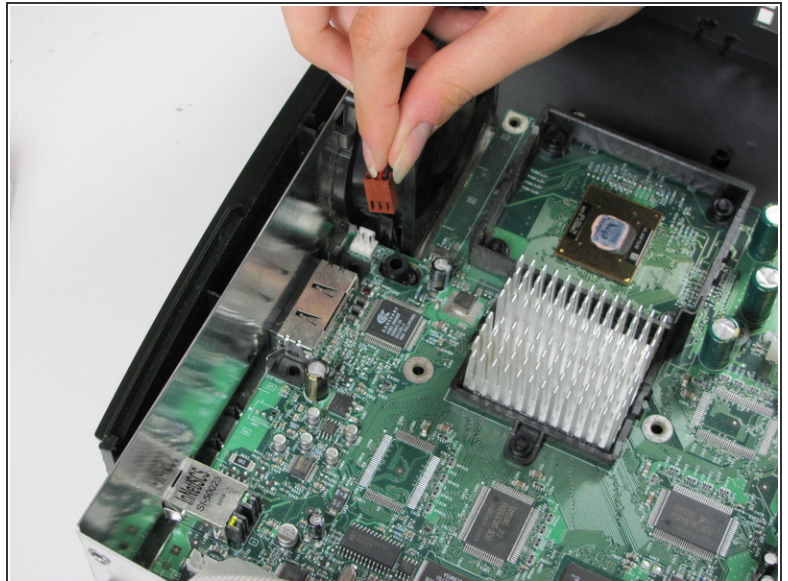
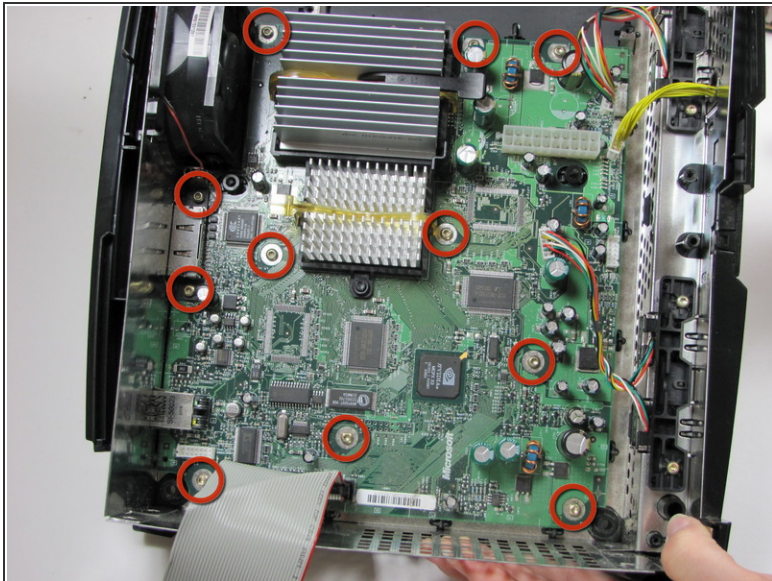
⚠ Be very careful not to touch the copper coil or capacitors on the power supply. They may shock you.

Step 16 — Motherboard



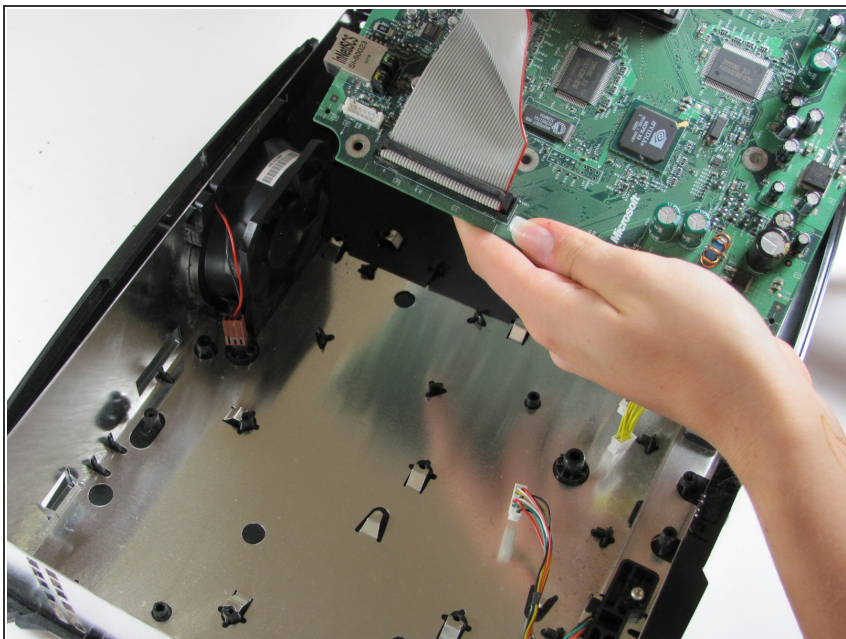
- Unplug the bundle of yellow cables as well as the rainbow cord from the motherboard.

Step 17



- Remove eleven 3mm screws from motherboard, using a T10 Torx screwdriver. Refer to the picture to find all eleven.
- Unplug the power cable attached to the fan.

Step 18



- Remove the motherboard from the Xbox. As long as all of the screws are out and the fan is disconnected, it will lift out easily.

To reassemble your device, follow these instructions in reverse order.

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